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Mobile Real-Time Radioscopy

Problem

The INEEL Transuranic Waste Program needed to non-intrusively examine the contents of more drums to accelerate waste shipments to the Waste Isolation Pilot Plant.

Baseline Technology

Use of an existing X-ray imaging facility for non-destructive examination.

Innovative Technology

The Mobile Real-Time Radioscopy technology consists of a leased trailer and X-ray equipment that examines waste drum contents in the field.

Comparison

Use of the Mobile Real-Time Radioscopy trailer allowed the project to examine more drums without building new facilities.

Benefits

Use of this mobile technology allowed the project to accelerate transuranic waste shipments, reduce the risk of missing Idaho Settlement Agreement milestones, and realize an estimated lifecycle cost savings of over \$3.9 million.

WASTE MANAGEMENT PROGRAM

Project: ID-WM-103
INEEL Transuranic Waste Program

